

802.16 PHY Working Plan & Guidelines

Jay Klein
Montreal 7/99

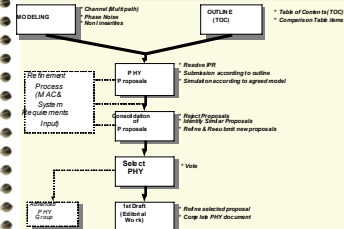
The Need for a Plan

- ✓ Short time frame
 - Decisions must be made
 - Decision process required
- ✓ Large number of companies
 - Large number of proposed PHYs
 - Bring proposals to "common ground"

Obstacles

- ✓ System Requirements
 - Not solidified yet
- ✓ MAC
 - In 802.11 recent advanced PHY activities, previous MAC was not changed
- ✓ "Common Ground"

Flowchart



Time line

- ✓ Phase 0 (Meetings 1.5 & 2)
 - Agree on outline and items to compare
 - Minimum outline for PHY proposals required
 - Modeling (i.e., Channel, RF impairments...)
- ✓ Phase 1 (Meetings 2.5, 3 & 3.5)
 - Invite proposals for PHY
 - Must follow submission rules
 - IPR issues must be clarified
 - Can overlap Phase 0
 - Documents require refinement after phase 0 is complete
 - Hard deadline (request placeholder no later than 2.5)

Time line - cont.

- ✓ Phase 2 (Meetings 4 & 4.5)
 - Pass / No-pass proposals
 - Encourage consolidation
 - Revisit MAC/SysReq inputs
- ✓ Phase 3 (Meeting 5)
 - Select PHY
 - Complete Editorial work
 - Identify potential Advance PHY work for the future